

Method for the production of fibre-reinforced drive components**Publication number:** DE4324755**Publication date:** 1994-09-22**Inventor:** WEI WILLIAM DR (DE); KRUEGER WOLFGANG (DE)**Applicant:** MOTOREN TURBINEN UNION (DE)**Classification:****- international:** C22C47/14; C23C14/18; C23C14/56; F01D5/28; F01D21/04; C22C47/00; C23C14/18; C23C14/56; F01D5/28; F01D21/00; (IPC1-7): B22F5/00; B22F3/14; B22F7/02; C22C1/09; F01D5/02**- european:** C22C47/14; C23C14/18; C23C14/56B; F01D5/28B; F01D21/04B**Application number:** DE19934324755 19930723**Priority number(s):** DE19934324755 19930723**Also published as:**

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The invention relates to a method for the production of fibre-reinforced drive components from an alloy matrix. A long or endless silicon-carbide fibre is first of all coated by dusting or vapour deposition with a matrix consisting of a titanium base alloy. The fibres coated with matrix material are then wound onto a preform at angles to the principal axis of the preform. The surface of the wound form is then covered with foil, tapes, wires, sintered-on powders or that from the matrix alloy and, finally, the form with the wound-on fibres coated with the matrix alloy and the covering of matrix metal is subjected to hot isostatic pressing. This method is used for the production of transmission shafts, shroud bands for rotors or discless rotors composed of rings with blades.

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